

PANDITO®

*Ultra-lightweight dynamic cone
penetrometer with constant energy*

SOL SOLUTION
Solidly-based innovation

ENGINEERING

**SOIL TESTING
AND GEOTECHNICAL
EQUIPMENT**

**RESEARCH AND
DEVELOPMENT**

**TECHNICAL
TRAINING**

SOL SOLUTION

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Objective

CARRY OUT A SELF-CONTROL LAYER BY LAYER COMPACTION TEST
IDENTIFY THE RISKS OF ACCESSIBILITY FOR CONSTRUCTION MACHINERY

Characteristics

Dimensions in cm: Ø 12,5 - Total L 149 -
Folded L 94,5

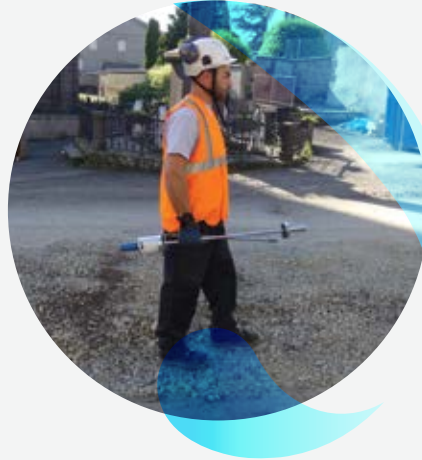
Total weight: 8.5 kg - weight of the
hammering mass: 5 kg

50 cm rod graduated every 10 cm with fixed
tip of 2 cm²

The number of strokes every 10 cm of depth
is compared to a reference value, depending
on the nature of the soil, its water status and
the required compaction quality.

Advantages

- Design and development Sol Solution
- Simplified database of reference values (grouped into 3 soil families) on a sticker on the PANDITO® hammering mass, for instantaneous reading on site
- Simplicity and speed of the test by the operator who carried out the compaction
- No need to wait for a final inspection with a standardized dynamic cone penetrometer (PANDA®, GRIZZLY®,...) to detect any compaction anomalies
- Extraction of the rod by reverse hammering without additional tools
- Data processing software (Excel): N10, qd (MPa), CBR index (%)



Options

- Airfield model for opening/closing grass runways
- Establishment in the laboratory of reference values (density in calibrated molds) for new materials or special cases